#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 30 June 2005 (30.06.2005)

### **PCT**

# (10) International Publication Number WO 2005/058613 A1

(51) International Patent Classification7:

B60B 21/06

(21) International Application Number:

PCT/IT2004/000708

(22) International Filing Date:

17 December 2004 (17.12.2004)

(25) Filing Language:

Italian

(26) Publication Language:

English

(30) Priority Data: PD2003A000305

04010074.5

04022061.8

18 December 2003 (18.12.2003) IT 28 April 2004 (28.04.2004) EP 16 September 2004 (16.09.2004) EP

(71) Applicant (for all designated States except US): ALPINA RAGGI S.P.A. [IT/IT]; Via C. Battisti, 60, I-20043 Arcore (IT). (72) Inventor; and

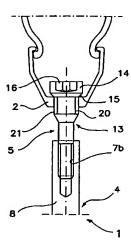
(75) Inventor/Applicant (for US only): CAPPELLOTTO, Guido [IT/IT]; Alpina Raggi S.p.A., Via C. Battisti, 60, I-20043 Arcore (IT).

(74) Agents: CANTALUPPI, Stefano et al.; Cantaluppi & Partners S.r.l., Via Matteotti, 26, I-35137 Padova (IT).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

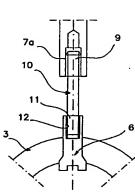
[Continued on next page]

#### (54) Title: A SPOKED WHEEL FOR TYRES



(57) Abstract: A spoked wheel (1) includes a rim (2) with a plurality of holes (21) for a respective plurality of nipples (5) and an equal plurality of spokes (4) secured to the rim (2) by means of these nipples (5). The nipples are arranged to be fitted so as to be substantially gastight in the respective holes (21) in the rim for the purpose of fitting tubeless tyres to the rim.





## WO 2005/058613 A1

(1881) (1881) (1881) (1881) (1881) (1881) (1881) (1882) (1883) (1884) (1884) (1884) (1884) (1884) (1884) (1884)

GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### **Declarations under Rule 4.17:**

— as to the identity of the inventor (Rule 4.17(i)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH,

GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

of inventorship (Rule 4.17(iv)) for US only

#### Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.